

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shoichi HIROTA, et al.

Serial No: 09/624,062

Filed: July 24, 2000

For: REFLECTION-TYPE COLOR LIQUID  
CRYSTAL DISPLAY APPARATUS

Art Unit: 2871

Examiner: Prasad R. Akkapeddi

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
Washington D.C. 20231, on

February 25, 2003

Date of Deposit

Ying Chen, [Reg. No. 50,193]

Name

Signature Ying Chen 02/25/03  
Date

Box NON-FEE AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

Dear Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small entity status has been claimed. See 37 CFR § 1.27.
- ☐ A certified copy of \_\_\_ Patent Application No. \_\_\_ filed \_\_\_ from which priority is claimed under 35 U.S.C. § 119 is enclosed.
- ☐ A Petition for Extension of Time (3-months) is enclosed.
- ☐ No additional fee is required.

The fee has been calculated as shown below:

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	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT		(Col. 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA*	LG/SM \$ ENTITY FEE		ADD'L FEE DUE
TOTAL CLAIMS FEE	15	-	20           **	0	LG=\$18 SM=\$9	\$18	\$   0
INDEPENDENT CLAIMS FEE	3	-	4           ***	0	LG=\$84 SM=\$42	\$84	\$   0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS					LARGE ENTITY FEE = \$280 SMALL ENTITY FEE = \$140		\$   0
TOTAL							\$   0

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box on Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ A check in the amount of \$\_\_\_ to cover the additional claims fee is enclosed. **A copy of this sheet is enclosed.**
- ☐ A check in the amount of \$\_\_\_ to cover the extension fee is enclosed. **A copy of this sheet is enclosed.**
- ☒ The Commissioner is hereby authorized to charge any deficiencies of fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. **A copy of this sheet is enclosed.**
- ☒ Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,  
HOGAN & HARTSON L.L.P.By: Ying ChenRegistration No. 50,193  
Attorney for Applicant(s)

Date: February 25, 2003

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PB 3/14/03

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AMENDMENT

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02/25/03

Date

Dear Sir:

In response to the Office Action dated September 18, 2002, the time for responding to which is extended three months to March 18, 2003, please amend the above-referenced application as follows:

IN THE ABSTRACT:

Please replace the Abstract of the Invention with the following text:

"Abstract of the Invention

A reflection type color liquid crystal display (LCD) device is disclosed that achieves achromatization in black and white as well intermediate scale display. The LCD device includes an active matrix substrate provided with a plurality of pixels each having a switching element and a reflection electrode in a matrix configuration, a liquid crystal layer between the substrate and a glass substrate, a phase plate and a polarization plate. The parameters of the above elements are designed such that projections of Stokes parameter ( $S_1$ ,  $S_2$ ,  $S_3$ ) of light between the phase plate and the liquid crystal layer on an  $S_1$ - $S_2$  plane constitute a substantially linear line, and that at a reflecting plane of the reflection electrode, the polarization of the light is substantially circularly polarized for a normally black display and

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